IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Jianxin Zhu	
Appln. No.	:		
Filed	:	November 17, 2003	Group Art Unit:
Title	:	MULTI-LAYER ELECTRODE DEVICE ON SLIDER FOR ELECTROSTATIC FLY HEIGHT ADJUSTMENT	Examiner:
Docket No.	:	I69.12-0598	

PRELIMINARY AMENDMENT

Mail Stop Patent Application
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SENT VIA EXPRESS MAIL

Express Mail No.: EV 302259771 US

Sir:

INTRODUCTION

Prior to an Examiner's first Action in the above-identified application, please enter the following amendments:

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph at page 9, line 7 with the following paragraph:

The two series capacitors in the device may potentially reduce the amount of total electrostatic charge it can hold, as capacitors in series connection lower the total capacitance. Reduced capacitance may reduce the device stroke. However, by applying a layer of insulator 66 using thinner and higher-K material, it is possible to reach the optimal point to have adequate stroke while maintaining ~~realiable~~ reliable interface with low current flow between disk and the device. First electrode layer 68 is connected to the fly height control voltage V_{FH} via the multi-layer electrode device bond pad connection 48. First electrode layer 68 is a thin layer of conductive metal. Second insulator layer 64 limits the leakage current of the system by being of a sufficient thickness to create